5/25

DART AEROSPACE LTD

Work Order: 23341

Description: Wearplate Part Number: D3319-3

Dwg: D3319 Rev. A page 2

Qty: Zo

Page 1 of 1

Step	Location	Procedure	By	Date	Qty
1	DC 9	Issue Traveler	SA.	05.06.13	
2	PG /	Issue P/O: 2008 792 Email or Ship DXF file to vendor Laser Cut flat pattern per Dwg D3319 Possible Supplier: Industrial Laser Material release note is required	AR	ospoju	20
3	RG	Receive and inspect for transit damage Ensure material release note is attached	ry	05/10/25	20
4	QC6	Inspect dimensions as per inspection template D3319-3T1	2	05-11-15	20
5	GA	Deburr if necessary  N/A		AND THE	
6	GB	Form using DT8326 & DT8261 as per Dwg D3319  Dwg Rev:	SB	05/11/15	19
7	QC6	Inspect dimensions as per Dwg D3319	1	5.11.16	19
8	WS	Weld hard surface using D3319-3T2 as per QSI 004 and Dwg D3319  Dwg Rev: B  Oty Part Number Description MI8952 Batch MI9000  A/R N/A 7560 Hardcoat Rod MI9172	COL	05.12.06	145
9	QC9	Inspect weld	M	Shalon	15
10	FP	Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3	M	05 17 21	15
11	QC3	Inspect Powder Coat	CZ	05/2/23	15
12	ST	Identify on inside surface using a permanent fine point marker with the following:  TCCA-PDA, Dart Aerospace Ltd.  P/N: D3319-3, B/N: BXXXXX  For Product Eligibility see PDA04-18  and Stock	1	1/a/21	15
13	AC	Cost / part:	Us	, जिल्ला	15
14	DC	Close W/O Inspect Level 21	MS	05/14/22	15
Pov	Data	Change	Pavis	06/01/03	1

Rev Date Change Revised By Approved A 05:05:12 New issue KJ/JLM

PRELIMINARY ISSUE

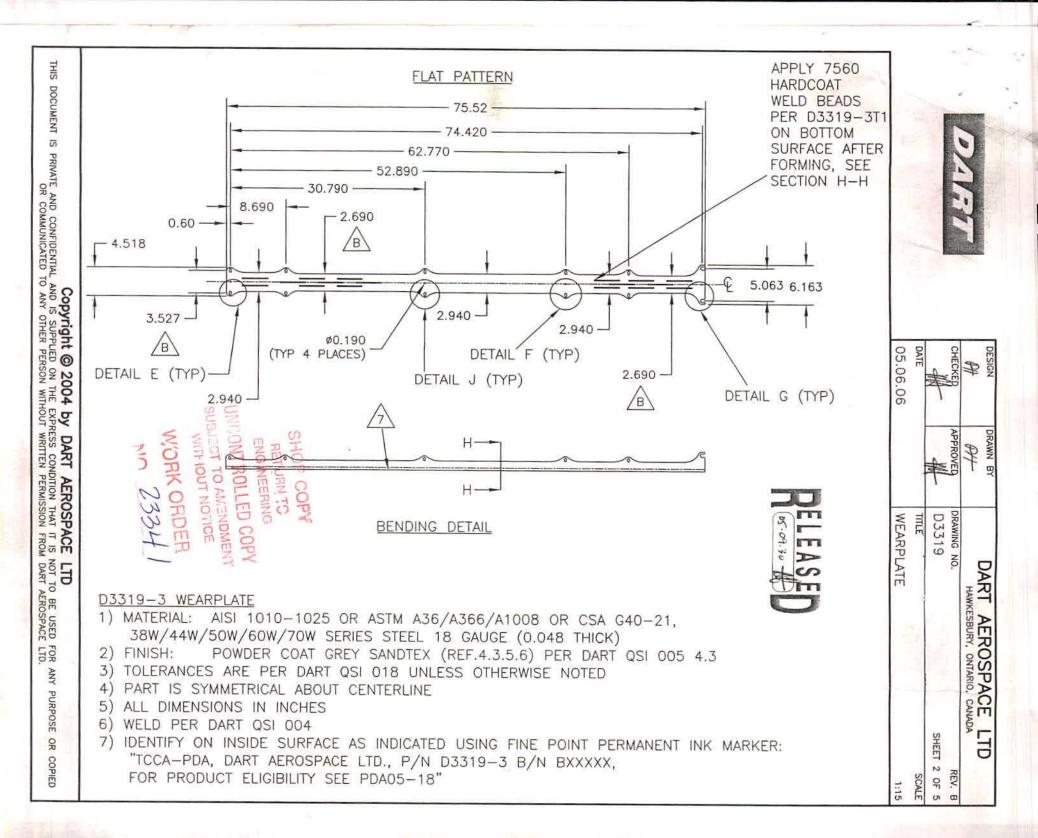
# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES												
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector							
05-11-15	4	Took one for template		05:11:15	(		5:11:15							
				•										

NCR:			WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B	Verification	Approval	Approval						
DATE	STEP	Section A	Initial Design Mgr	Action Description  Design Mgr	Sign & Date	Section C	Design Mgr	QC Inspector					
								1					
	St.							3					
								711					
							9	, i					

Part No:	PAR #:	Fault Category:	NCR:	Yes No DQA:	Date: O	6/01/03
NOTE: Date & initial all entries				OA: N/C Closed:	Date:	

H:\forms\Quality Assurance\approved forms\NCRWO revC



## Job Costing Report

Dart Aerospace Ltd. Hawkesbury		y 17, 2005 :51 am
Work Order No : 0023341 Project Name : D3319-3 Project For : WK525 Work Order Type : Main Main WO Number : House Part Number : D3319-3 Description : Wearplate	Department Code: Burden Flags : N WO Status : O Invoice State : N Invoice Date : Invoice Number :	pen Not Invoiced
Manufactured : Yes Amount Req'd : 20	Invoice Amount :	0.00
Amount Done : 0	Order Entry No :	
Start Date : 05-17-05 Est Finish Date : 06-30-05	OE Value :	0.00
Act Finish Date :	Est Mark Up :	0.000%
Drawings Reqd : No Ok for Approval :	Actual Mark Up :	0.000%
Approval Rec'd :	\$0 Posted to Finis	hed Goods

		Estimated	Actual	Var. %	Posted	To Post
Material Cost	•	0.00	0.00	0.00	0.00	0.00
Engineering Hours	:	0.00	0.00	0.00		
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC		0.00	0.00	0.00	0.00	0.00
Misc. Hours	1	0.00	0.00	0.00		
Misc.		0.00	0.00	0.00	0.00	0.00
		========	========	======		
Burden	:	0.00	0.00	0.00		
		========	========	======		
Total Cost	:	0.00	0.00	0.00		
Mark up	:	0.000	0.000			
Selling Cost	:	0.00	0.00			

		Estimated	Actual
Labour Hrs/Amount Done	:	0.00	0.00
Profits/(Loss)	:	0.00	0.00



### California Steel Industries 14000 San Bernardino Ave. Fontana, California 92335

# CERTIFIED TEST REPORT

Ph (909) 350-6300 CUSTOMER ORDER MO. NUMBER CAR NUMBER TALLY NUMBER SHIPPING DATE 02-8344-01 RR: WCTR142061 P50614ME002 08/01/05 PO 250499136 WILKINSON STEEL AND METALS HIP WILKINSON STEEL-METALS A DIVISION OF PREMETAL CO., INC. C/O GARY R. HAMILTON TRUCKING 888 S.E. MARINE DR., VANCOUVER 888 S.E. MARINE DR., VANCOUVER TO BC, CANADA, V5X2V3 BC, CANADA V5Y 2 MARK ALL DOCUMENTS W/P.O. P50614ME002. FAX TALLIES AT TIME OF SHIPMENT TO MEL ELIAS FAX #604-301-3244. WAREHOUSE STOCK - NON-CRITICAL SURFACE PROD H.R. COILS - P & O - PRIME ASTM-A-1011-00-CS-TYPE B SPEC TFR INSPECTION MILL COILS, PIECES DESCRIPTION HEAT NUMBER I CERTIFY THE FOLLOWING .0605 x 48.0000 x COIL 1 T42354 TEST INFORMATION TO BE NOM ME CORRECT AS CONTAINED 1 T42348 IN THE RECORDS OF THE COMPANY. CHIEF - LABORATORY SERVICES MECHANICAL PROPERTIES CHEMICAL ANALYSIS 10:48:05 08/01/05 CC HEAT OR TENSILE STRENGTH KSI SLAB NUMBER YIELD BEND TEST LOT ELONGATION C Mn P 5 51 Cu Ni Cr 2" Mo AT V Cb Ti N T42354 010 006 006 01 01 01 00 000 050 000 000 T42348 08 .38 014 010 007 01 01 01 00 046 000 000 001 CTR-001 PTLUCZZL 990712



New Zealand Steel Limited Glenbrook, South Auckland Postat: Private Bag 92121, Auckland, New Zealand Telephones, (08) 375 8999/375 8111 Auckland (09) 235 8069 / 235 3535 Waiuku Fax: (09) 375 8859

# TEST CERTIFICATE

Ruf: 5210/2249

	Wilkinson		50	200	77	1375	0		SPECIF	ICATION	ASTM	A1068 C	S Type A	Ų.				CERTIFIC	ATE No TC112396	
CUSTOMER ON	90-21N-68	í							PRODU	ICT	CRA W				**				ATE No TC112396	
MILL OW	480736			3		4		A	DIMEN	SIONS	0.644"	-				_		PAGE	l of 1	7
	i		CHEMICAL COMPOSITION PERCENT						NT				-	Chance		-	-	DATE	09 June 2005	
PACK NUMBER	HEAT No	C· Si	Mn	P	S .	Cu t	i c	r i Mo	/ Nb	TI AI	B N2				1E312 (1	EST SPECIF	CATION -	ASTMA3	70	
	THE STATE OF	×10	3			1		×1000	1		x10000	CE( )	BEND	YIELD	T.S.	1. C.	HARDNESS	r	LENGTH	-
R9-460748-00	642185	5 . TR	20	7	16	11	7 1	9 1	41 1		X10000	x100	180°			G.L.=	HRB	( )	(feet)	
9-460749-00	642185	5 TR	20	7	16	11		9: 1	4	:			Good				50		1968	
19-461119-00	642185	5 TR	20	7	16	11	21 6	1 10		1			Good	i			50		1913	
19-441120-00	642185	5 TR	20	7	16		S   3	9 1					Good				47		1926	
						7	5.00	21	-1 -1			0.025	Good				47		1713	

YÆLD (A)=8.2% PROOF STRESS (B)=LOWER YIELD STRESS	GAUGE LENG (A)=200mm (B)=50mm	GTH (G.L.) (C)=80mm (O)=5.65 y So	(E)=2"	PLASTIC (A)=r0 (B)=r90	STRAIN RATIO (r) (C)=145 (D)=(r0+r90+2r45) / 4	IMPACT TEST (A)=10mm x 10mm (B)=7.5mm x 10mm	(D)=2.5mm x 10mm	CARBON EQUIVALENT VALUE (CE) (A)=C+Mn/6	(0) 0:11 (0 0)
							(C) Shift X Idilah	(B)=C+Mn/6+(Cr+V+Mo)/5+(Cu+Ni)/15	(D)=

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION

APPROVED Soutish Mista

03-1 T M INDUSTRIAL (P50323DI001.64Z185)

Each

Thursday, 11/17/2005 12:11:45 PM Linda Lacelle User: **Process Sheet** : WEARPLATE **Drawing Name** Customer : CU-DAR001 Dart Helicopters Services Job Number : 23341 : 10606 **Estimate Number** : D33193 Part Number P.O. Number : D3319 REV. B : 11/17/2005 S.O. No. ; **Drawing Number** This Issue : NC Project Number Prsht Rev. : 11/17/2005 Type : PURCHASED PARTS : B **Drawing Revision** First Issue : 24210 Material Previous Run : 11/24/2005 Qty: 20 Um: **Due Date** Written By Checked & Approved By : Est: A 05.05.12 New issue KJ/JLM Comment **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: PG **PURCHASING** 1.0 Comment: PURCHASING Issue P/O: Email or Ship DXF file to vendor Laser Cut flat pattern per Dwg D3319 Possible Supplier: Industrial Laser Material release note is required 2.0 D33193F Wearplate PACKAGING RESOURCE #1 3.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Recieive & Inspect for Transit Damage Ensure Material Release Note is attached DIMENSIONAL CHECK 4.0 QC6 Comment: DIMENSIONAL CHECK Inspect dimensions as per inspection template D3319-3T1 SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 5.0

Comment: SMALL & MEDIUM FAB RESOURCE 1

Deburr if necessary

6.0 BRAKE NC NC BRAKE

Comment: NC BRAKE

Form using DT6326 & DT8261 as per Dwg D3319 Rev: \_\_\_\_

Date: Thursday, 11/17/2005 12:11:45 PM Linda Lacelle User: **Process Sheet** Drawing Name: WEARPLATE Customer: CU-DAR001 Dart Helicopters Services Part Number: D33193 Job Number: 23341 Job Number: Description: Seq. #: **Machine Or Operation:** DIMENSIONAL CHECK 7.0 QC6 Comment: DIMENSIONAL CHECK LARGE FABRICATION RESOURCE 1 LARGE FAB 1 8.0 Comment: LARGE FABRICATION RESOURCE 1 Weld hard surface using D3319-3T2 per QSI 004 and Dwg D3319 Rev: \_ Qty Part Number Description Batch 7560 Hardcoat Rod A/R N/A 9.0 QC9 VISUAL WELDING INSPECTION Comment: VISUAL WELDING INSPECTION POWDER COATING POWDER COATING 10.0 Comment: POWDER COATING Powder Coat Grey Sandtex (Ref. 4.3.5.6) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 11.0 QC3 Comment: INSPECT POWDER COAT PACKAGING RESOURCE #1 12.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify on inside surface using a permanent fine point marker with the following: TCCA-PDA, Dart Aerospace Ltd. P/N: D3319-3, B/N: BXXXXX For Product Eligibility see PDA05-18 and Stock Location: 13.0 DC DOCUMENT CONTROL Comment: DOCUMENT CONTROL Inspection Level 21 Job Completion

#### Job Costing Report

Dart Aerospace Ltd.	Nov 08, 2005
Hawkesbury	10:23 am
Management Heat (Management Heat Management Heat (Management Heat Heat Heat Heat Heat (Management Heat Heat Heat Heat Heat Heat Heat Hea	

Work Order No	: 0023341		
	: D3319-3	Department Code	
Project For		Burden Flags	
	: Main		Open
반경 이 경기 이 경기 기업으로 하는 경기 기업으로 하는 기업	•	Invoice State	Not Invoiced
House Part Number	: D3319-3	Invoice Date	
Description : We	arplate	Invoice Number	
Manufactured : Ye	S	Invoice Amount	0.00
Amount Req'd :	20		
Amount Done :	0	Order Entry No	
Start Date	: 05-17-05	OE Value	0.00
Est Finish Date	: 06-30-05		4
Act Finish Date	:	Est Margin	0.000%
Drawings Reqd	: No	Actual Margin	0.000%

Ok for Approval : Approval Rec'd : \$0 Posted to Finished Goods

		Estimated	Actual	Var. %	Posted	To Post
	===			========		
Material Cost	:	0.00	370.00	100.00	0.00	370.00
Engineering Hours	•	0.00	0.00	0.00		
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours		0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========	=======	======		
Burden	:	0.00	0.00	0.00	ALXING.	
		========	=======	======		
Total Cost	:	0.00	370.00	100.00		
Margin		0.000	0.000			
Selling Cost	•	0.00	370.00			

		Estimated		Actual
Labour Hrs/Amount Done	:	0.00		0.00
Profits/(Loss)	:	0.00	(	-370.00)